

Enterprise Level Technical Architecture Profile (TV-1) Overview

DoD Policies

- Accessibility of DoD Web Sites to People with Disabilities - ASD memo 21 Jul 00
- DoD Web Site Administration Policy - DepSecDef memo 26 Apr 01

TMA Guidance

- MHS Minimum Notebook Configuration Guidance - TMA memo 22 July 02
- MHS Operating Systems Guidance - TMA memo 22 July 02
- MHS Minimum Server Hardware Requirements - TMA memo 25 Jan 02
- MHS Office Automation Guidance - TMA memo 25 Jan 02
- MHS Personal Computer Hardware Requirements - TMA memo 25 Jan 02
- Guidance for MHS Video Teleconference Standards - TMA memo 14 Jan 02
- Communications Bandwidth Management - TMA memo 7 May 01

Information Processing Standards

- User Interface Services - POSIX - C903 X Window System Protocol
- User Interface Services - Win32 - Win32 Application Program Interface (API) set
- Data Management Services - SQL and SQL Call Level Interface, and ODBC standards
- Document Interchange - SGML, HTML, XML standards, and Common Document Interchange formats
- Graphics Data Interchange - JPEG File Interchange Format v1.02 and Graphics Interchange Format (GIF) v89a standards
- Geospatial Data Interchange - FIPS PUB 10-4 Countries, Dependencies, Areas of Special Sovereignty, and Their Principal Administrative Divisions standard
- Data Interchange Storage Media - ISO 9660 CD-ROM Volume and Structure standard
- Graphic Services - ANSI Computer Graphics Interfacing Techniques standard
- Operating System Services - Win32 APIs and POSIX (UNIX) standards
- Internationalization Services - ISO/IEC 8859 Graphic Character Sets - Part 1: Latin Alphabet No. 1 and ISO/IEC 10646-1 Universal Multiple-Octet Coded Character Set standard
- Remote Procedure Computing - Open Group Distributed Computing Environment (DCE) v1.1 standards: Time Services Specification; Authentication and Security Services; Directory Services; and Remote Procedure Call standard

Information Technology Standards

- DII COE - Integration and Run Time Specification (I&RTS)

Information Transfer Standards

- Host Standards - IETF Requirements for Internet Hosts standard
- Electronic Mail - IETF Simple Mail Transfer Protocol (SMTP), Standard Format for ARPA Internet Text Messages, and MIME standard
- Directory Services - IETF Lightweight Directory Access Protocol and Domain Name System standards
- File Transfer - IETF File Transfer Protocol (FTP)
- Remote Terminal - IETF TELNET Protocol
- Network Time Synchronization - IETF Network Time Protocol Specification (version 3)
- Configuration Information Transfer - IETF Dynamic Host Configuration Protocol (DHCP)
- Web Services - IETF HTTP and URL standards
- Connectionless Data Transfer - MIL-STD-2045-47001B Connectionless Data Transfer Application Layer standard
- Transport Services - IETF Transmission Control Protocol (TCP), Internet Protocol (IP), User Datagram Protocol (UDP), and Open Systems Interconnection (OSI) Service standard
- Video Teleconference Services - ITU standards
- Facsimile Services - EIA/TIA 465A Group 3 Analog Facsimile standard
- Network Services - IETF Internetworking (Router) standards, Internet Protocol (IP) standards, and Interior & Exterior Router standards
- LAN Access - ISO Ethernet 10BASE-T, IEEE 802.3u 100BASE-T, IETF IP Datagram, and IETF Address Resolution standard
- Point-to-Point Standards - IETF Full Duplex, Synchronous, Asynchronous, and EIA/TIA Serial Line Communications standards
- Integrated Services Digital Network - ANSI Physical Layer, Data-Link, Signaling and ITU and DISA Addressing standards
- Asynchronous Transfer Mode (ATM) Services - ATM Forum Physical layer, User-Network, Traffic Management, and related ITU standards
- Gigabit Ethernet Service - IEEE 802.3 and 802.2ab Ethernet for LAN and MAN applications
- Transmission Media - MIL-STD-188-110A Data Modem and ANSI SONET standards
- Data Communications Management - Simple Network Management Protocol and Management Information Base standards
- Telecommunications Management - ANSI, ITU, and ISO standards

Information Security Standards

- Application Software Entity Security - DoD 5200.28-STD Trusted Computer System Evaluation Criteria (the "Orange Book"); NCSC-TG-021 Trusted DBMS Interpretation; FIPS PUB 73 Computer Applications Security; FIPS PUB 113 Data Authentication standard
- Data Management Services - NCSC-TG-021 Trusted DBMS Interpretation and FIPS PUB 41 Guide for Implementing the 1974 Privacy Act
- Operating System Services Security - DoD 5200.28-STD Orange Book
- Security-Auditing and Security-Alarm Reporting - DoD 5200.28-STD Orange Book and ISO 10164-8 OSI Systems Management standard
- Authentication Security - IETF Kerberos Network Authentication Service; FIPS PUB 112 Password Usage; FIPS PUB 181 Automated Password Generator; IETF One-Time Password System; CSC-STD-002-85 DoD Password Management Guidance; and IETF Remote Authentication Dial-In User Service (RADIUS) standard
- Host Security - FIPS PUB 140-1 Security Requirements for Cryptographic Modules and FORTEZZA Interface Control Document standard
- Security Algorithms - FIPS PUB 46-3 Data Encryption Std (Triple DES); FIPS PUB 180-1 Secure Hash Algorithm; FIPS PUB 186-1 & -2 Digital Signature Std; FIPS PUB 185 SKIPJACK Algorithm; and R21-TECH-23-94 Key Exchange Algorithm
- Security Protocols - MIL-STD-2045-48501 Common Security Label; FIPS PUB 188 Standard Security Label for Information Transfer; ITU-T X.509 The Directory: Authentication Framework; IETF S/MIME Message Specification v2; SDN.903 SDN System Key Management Protocol; FIPS PUB 161-2 EDI; and IEEE 802.10c Interoperable LAN/MAN Security Key Management
- Evaluation Criteria Security - ISO 15408:1999 Common Criteria; DoD 5200.28-STD Orange Book; NCSC-TG-005 Trusted Network Interpretation; and FIPS PUB 48 Guidelines on Eval. of Techniques for Automated Personal ID
- Network Security - NCSC-TG-005 Trusted Network Interpretation; FIPS PUB 74, 81 and 83 standards related to DES usage; FIPS PUB 140-1 Security Requirements for Cryptographic Modules;
- Cryptography - FIPS PUB 46-3 DES and FIPS PUB 180-1 Secure Hash Algorithm
- Firewall, VPN and Intrusion Detection - Traffic Filtering Firewall for Low Risk Environments, Application-Level Firewall, VPN, and Intrusion Detection Protection Profiles
- Web Security - Secure Sockets Layer (SSL) Protocol (v3.0)

Information Modeling, Metadata, and Information Exchange Standards

- Activity Modeling - IEEE 1320.1 Functional Modeling Language - Syntax and Semantics for IDEF0 standard
- Data Modeling - FIPS PUB 184 Integration Definition for Information Modeling, IDEF1X
- DoD Data Model Implementation - DoD Manual 8320.1, DoD Data Standardization Procedures
- DoD Data Definitions - DoD Manual 8320.1; Defense Data Dictionary System; and DoD Data Standards - Calendar, Ordinal, and Year
- Binary Floating-Point Data Interchange - IEEE standard for Binary Floating-Point Arithmetic
- Object Modeling - OMG Unified Modeling Language Specification v1.3

Human-Computer Interface (HCI) Standards

- Windows Style Guide - Microsoft Windows Interface Guidelines for Software Design
- Domain-Level Style Guides - User Interface Specification for DII
- System-Level Style Guides - ISO 13407 Human-Centered Design Processes for Interactive Systems

Combat Support Information Standards

- Product Data Interchange - ANSI/AIM-BC1 Uniform Symbology Specification Code 39
- Electronic Data Interchange - ANSI ASC X.12 Electronic Data Interchange standard (as profiled by FIPS PUB 161-2)

Medical Information Standards

- Medical Electronic Data Interchange - Health Level Seven (HL7) Application Protocol for Electronic Exchange in Healthcare Environments, version 2.2, 2.3, and 2.3.1 standards
- Retail Pharmacy Claims EDI - NCPDP Telecommunication v3.2 standard
- Medical Still-Imagery Data Interchange - Digital Imaging and Communications in Medicine (DICOM), v3.0 standard
- Medical Information Exchange Standards - ISBT 128 Bar Code Symbology and Application Specification for Labeling Whole Blood and Blood Components and Universal Product Number System standard (for identifying medical and surgical products in supply chain)